

# Acquisition Reform Success Story

## AN/APG-70 Radar Contract Repair (Enhancement Program CREP)

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### Program Description

The APG-70 is a fire control radar system designed to support the F-15E aircraft by incorporating hardware changes to significantly increase the air-to-air performance of the F-15 weapon system and to provide software growth potential and improved reliability.

### How Streamlining Made A Difference

A team comprised of F-15 personnel embraced the Pacer Lean concept and converted the APG-70 repair requirement into a prototype program utilizing the tenet of acquisition reform and lean logistics. The team, working with the contractor, reviewed the entire requirement to determine how this repair requirement could be done faster, cheaper, smarter and better. As a result of their effort, unnecessary military standards, data items and secondary test procedures were deleted which streamlined the repair procedure. In addition, the contractor identified one component as the long lead time item in the process. The team took the necessary steps to lay in this item from Government supplies to the contractor's facility to meet the first quarter demand. The combination of these actions resulted in a repair turn around time reduction of 90 to 30 days and a cost reduction of 27 percent. Consequently, the reduction in repair time resulted in a significant reduction in the logistics pipeline time and increased customer support. These efforts assisted in forming the baseline, or prototype, for the Contractor Repair Enhancement Program for not only the F-15 product directorate, but for the entire Air Logistics Center (ALC).

Measure	FROM	TO
Military Standards	27	23
Data Items	5	3
Test Procedures	1	0
Reduction in Repair Time	90	30
Contract Amount (BEQ)	\$1.67M	\$1.22M
Logistics Pipeline Time	123 Days	36 Days

**Bottom line:** The AN/APG-70 CREP team developed a prototype program which incorporated acquisition streamlining and lean logistics which is being utilized by the other product directorates in the ALC. Their efforts resulted in early industry involvement which identified the major constraint to a faster repair turn around time (doing it *smarter/faster*), reduced the number of military standards, data items and test procedures (doing it *better*) and reduced the cost of the effort by 27 percent (doing it *cheaper*).